

# Database Schema

Table: users

Field Name	Type	Description
user_id	INT, AUTO_INCREMENT, PK	Unique ID for each user
name	VARCHAR(100)	Full name of the user
email	VARCHAR(255), UNIQUE	Email ID for login
password	VARCHAR(255)	Hashed login password
role	ENUM('Admin','Employee')	User type: Admin or Employee
department_id	INT, FK	Department assigned (nullable for Admins)
dob	DATE	Date of birth
created_at	TIMESTAMP	When the user account was created
updated_at	TIMESTAMP	When the account was last updated

Table: departments

Field Name	Type	Description
department_id	INT, AUTO_INCREMENT, PK	Unique department ID
department_name	VARCHAR(100), UNIQUE	Name of the department
created_at	TIMESTAMP	Department creation date
updated_at	TIMESTAMP	Last update date

Table: attendance

Field Name	Type	Description
attendance_id	INT, AUTO_INCREMENT, PK	Unique ID for attendance entry
user_id	INT, FK	Employee ID

<b>date</b>	DATE	Date of attendance
<b>status</b>	ENUM('Present','Absent','Late')	Attendance status
<b>check_in</b>	TIME	Time of check-in
<b>check_out</b>	TIME	Time of check-out
<b>created_at</b>	TIMESTAMP	Record creation date
<b>updated_at</b>	TIMESTAMP	Record update date

**Table: leave\_requests**

Field Name	Type	Description
<b>request_id</b>	INT, AUTO_INCREMENT, PK	Unique ID for leave request
<b>user_id</b>	INT, FK	Employee who requested leave
<b>start_date</b>	DATE	Leave start date
<b>end_date</b>	DATE	Leave end date
<b>reason</b>	TEXT	Reason for leave
<b>status</b>	ENUM('Pending','Approved','Rejected')	Current approval status
<b>created_at</b>	TIMESTAMP	Leave request creation date
<b>updated_at</b>	TIMESTAMP	Leave request update date

**Table: payroll**

Field Name	Type	Description
<b>payroll_id</b>	INT, AUTO_INCREMENT, PK	Unique payroll entry
<b>user_id</b>	INT, FK	Employee ID
<b>basic_salary</b>	DECIMAL(10,2)	Monthly base salary
<b>bonuses</b>	DECIMAL(10,2)	Extra earnings like bonuses
<b>deductions</b>	DECIMAL(10,2)	Deductions like tax or penalties
<b>net_salary</b>	DECIMAL(10,2)	Final salary after calculations
<b>payment_date</b>	DATE	Salary processed date

You can directly access the database schema using this link:

<https://dbdiagram.io/d/WorkTrack-68303c86b9f7446da3d5364e>

